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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	Released to Production per E.O.5890	6-29-79	
B	Incorporated E.O. 3263	9-28-79	
C	Incorporate E.O. 3398	11-9-79	
D	Incorporate E.O. 3672	4-22-80	

PRODUCTION RELEASE

TABLE OF CONTENTS

Drawing Number	Title	Rev.	No. Sheets
MD 703330	Maintenance Drawing Package Cover Sheet	D	1
703330	Board Assembly, PM-DLV11J	F	1
PL 703330-100	Parts List, Board Assembly, PM-DLV11J	C	2
SD 703330	Schematic Diagram, PM-DLV11J	E	6
701777	Cable Assembly, Null Modem PM-BC20N	A	1
SK 701793	Cable Assembly, Modem PM-BC21B	X1	1

DO NOT SCALE DRAWING
SCREW THREADS PER HANDBOOK H-28
COUNTERBORE AND SPOTFACE FILLET RADII TO BE .010 MAXIMUM
REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO .010R
ROUGHNESS OF MACHINED SURFACES 125 PER USAS B46.1
STANDARD HOLE TOLERANCE PER ANSI B4.2
TOLERANCES ON XX = ± .03 XXX = ± .010 ANGLES = ± 0° 30'
INTERPRET DIMENSIONS AND TOLERANCES PER USAS Y14.5
DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH
UNLESS OTHERWISE SPECIFIED

CONTRACT NO.

DRAWN	N. Glass	
CHECK	N. Glass	
DESIGN		
PROJ. ENGR.	R. Osborne	7-2
		7-18-79
OTHER APPROVALS		

Plessey Peripheral Systems

DRAWING TITLE: MAINTENANCE DRAWING PACKAGE

PM-DLV11J Serial Interface

SIZE	CODE IDENT NO.	DWG NO.
B	52648	MD 703330

SCALE: | SHEET 1 OF 1 (12)

Maintenance Drawing Package

Products Covered by this Drawing Package
PM-DLV11J

Plessey Peripheral Systems

BLANK

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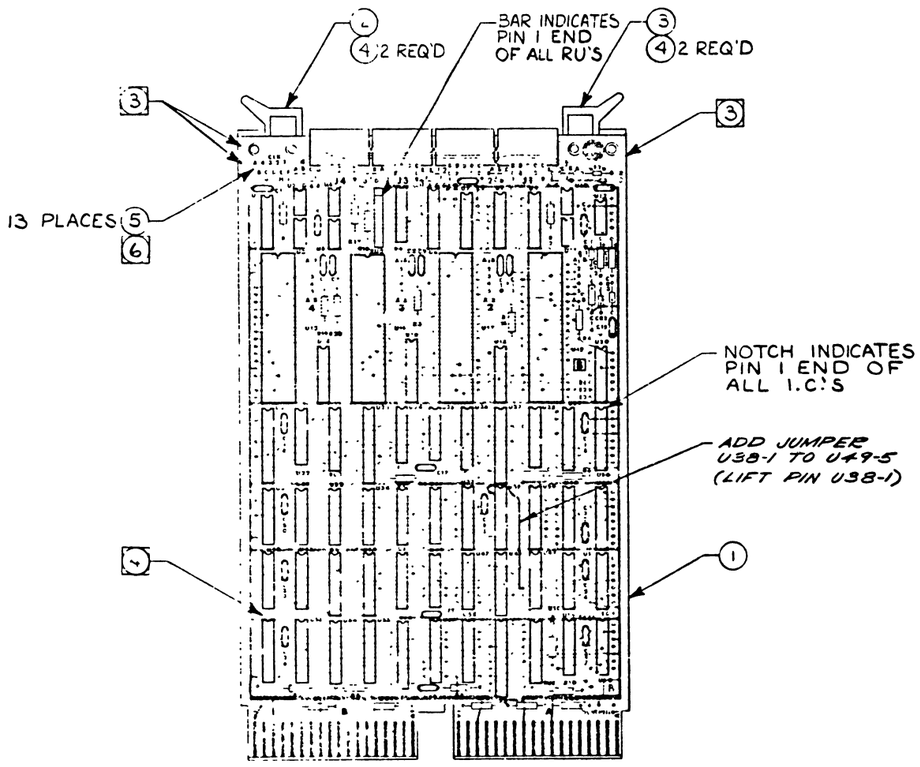
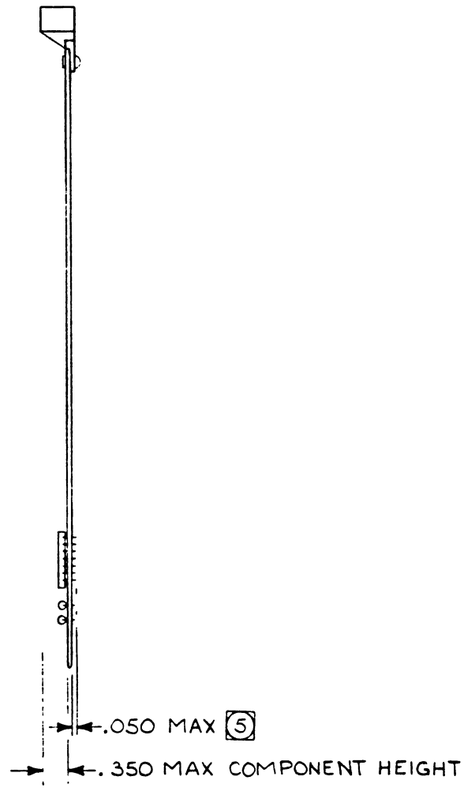
703330

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN EO 3116	6-12-79	
	C	INCORP FER EO 3164	7-11-79	
	D	INCORP EO 3320	10-16-79	
	E	INCORP EO 3515	2-12-80	
	F	INCORP EO 3601	3-16-80	





JUMPER CONFIGURATION			
FROM	TO	SIGNAL	
1E	1F	XMIT DATA 1+	RS232 AND RS423 INTERFACE
1D	1B	XMIT DATA 1-	
2E	2F	XMIT DATA 2+	
2D	2B	XMIT DATA 2-	
3E	3F	XMIT DATA 3+	
3D	3B	XMIT DATA 3-	
4E	4F	XMIT DATA 4+	
4D	4B	XMIT DATA 4-	
1E4	1A4	1 STOP BIT	
2B4	2A4	1 STOP BIT	
3B4	3A4	1 STOP BIT	
4B4	4A4	1 STOP BIT	
E5	E4	B HALT L	
E2	E3	INIT L	
CLK1	F	9600 BAUD RATE	
CLK2	CLK1	9600 BAUD RATE	
CLK3	CLK2	9600 BAUD RATE	
CLK4	G	300 BAUD RATE	

SWITCH SETTINGS			
SW1	POS	SW2	POS
3	ON	1	ON
4	ON	2	OFF
5	ON	3	ON
6	OFF	4	OFF
7	OFF	5	ON
8	ON	6	OFF
		7	OFF
		8	OFF
		9	ON

6 INSTALL ITEM 5 AT CLK 1,2,3,4 & A,B,C,D,E,F,G,H,J.

5 COMPONENT LEAD TRIM AND SOLDER BUILD-UP TO BE AS NOTED.

4 COMPONENT DESIGNATIONS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON PART.

3 MARK ASSEMBLY VERSION NUMBER, LATEST REVISION LETTER AND SERIAL NUMBER WITH CONTRASTING INK PER MIL-M-13231, GROUP III. LOCATE APPROXIMATELY AS SHOWN.

2. FOR SCHEMATIC DIAGRAM SEE SD703330.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

PRODUCTION RELEASE

NOTE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC/SOURCE	CODE IDENT NO.	FIND NO.
					5
					4
					3
					2
X		FOR PARTS LIST SEE PL703330-100			1
-100		PARTS LIST			

PART/ASSY NO. & QTY PER ASSY

PART/ASSY REV LTR: F

PART NO.	NEXT ASSY	USED ON
	FINAL	PP DI...

APPLICATION

DO NOT SCALE DRAWING

CONTRACT NO.

Plessey Peripheral Systems

DRAWN	M. CREEDEN	6-7-79
CHECK		
ENGR		
PROJ. ENGR		
PROD. DESIGN		
OTHER APPROVALS		

DWG TITLE: BOARD ASSEMBLY, 4 CHANNEL SERIAL INTERFACE PM-DLVIIJ

SIZE	CODE IDENT NO.	DWG NO.
D	52648	703330

SCALE: 1/1 SHEET 1 OF 1

DISTR NO 1234 PP

703330 F

PARTS LIST | Plessey Peripheral Systems

ITEM TITLE: BOARD ASSEMBLY 4 CHANNEL SERIAL INTERFACE PM-DLV IIJ

PREPARED BY	TOM COMEY	3-9-79	PARTS LIST NO: PL703330-100
CHECKED BY	R. Turnbull	3-16-79	REV LTR: C
RESP ENG	Louis L.	3-16-79	CODE IDENT NO: 52648
APPRV			SH 1 OF 2
DOC CONTROL	C J Day	3-16-79	MODEL NO.: PM-DLV IIJ

LTR	DESCRIPTION	DATE	APPROVED
A	ECL TO PROD. PER EO 3028	5-16-79	
B	INCORP EO 3237 DWL.	8-20-79	
C	INCORP EO 3320	10-16-79	

PRODUCTION RELEASE

REV STATUS OF SHEETS										
REV LTR	C	A	B	A	A	A	C	A		
SHEET	1	2	3	4	5	6	7	8	9	10

PARTS LIST | Plessey Peripheral Systems | CODE IDENT NO. 52698 | PARTS LIST NO. PL703330-100 | SH 3 | REV LTR B

ITEM	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYM	C/I USAGE: C/I CODE	INV ON HAND	PAR	UNIT COST
		1	703329-001	PRINTED WIRING BOARD				1					
		1	SK 701698-001	HANDLE, MODIFIED, LEFT				2					
		1	SK 701698-002	HANDLE, MODIFIED, RIGHT				3					
		4	MS16535 -154	RIVET/TUBULAR, OVAL HD. .123 DIA. X .188 LG				4					
B		13	P025-927 -325-0435	WIRE WRAP PIN	STU PHILLIPS			5					
								6					
								7					
		1	SN74LS393	I.C./DUAL 4-BIT DECADE AND BINARY COUNTERS	T.I.			8					
		2	9638	I.C./DUAL HI-SPEED DIFFERENTIAL LINE DRIVER	FAIRCHILD			9					
		2	9636	I.C./DUAL SINGLE-ENDED LINE DRIVER	FAIRCHILD			10					
		2	9637	I.C./DUAL DIFFERENTIAL LINE RECEIVER	FAIRCHILD			11					
		1	SN74161	I.C./SYNCHRONOUS 4-BIT COUNTER	T.I.			12					
		3	SN74LS08	I.C./QUAD 2-INPUT POS AND GATE	T.I.			13					

PARTS LIST | Plessey Peripheral Systems | CODE IDENT NO. 52698 | PARTS LIST NO. PL703330-100 | SH 2 | REV LTR A

CROSS INDEX OF REFERENCE DESIGNATIONS TO FIND NO.

REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.
U1	8	U48	34		59		
U2,10	9	U51	35	SW1	60		
U3,11	10	U52,53,54,55	36	SW2	61		
U4,5	11	U56	37	F1	62		
U6	12	U57,58	38	Y1	63		
U7,21,25	13	U59,60	39		64		
U8	14	U46	40	J1,2,3,4	65		
U9	15	C1,2,3,4,5,7,9,11,16,17,	41				
U12	16	18,20 THRU 28,6,8,10,15					
U13,15,17,19	17		42				
U14,18	18	C12,13	43				
U16	19	C19,30	44				
U20	20	C19	45				
U21,23,27	21	C29	46				
U22	22	CR1,2,3	47				
U26,29,30	23	R1,2	48				
U28	24	R3,4,5,9,12,16	49				
U31,32,33,34,99	25	R6	50				
U35,36,45,50	26	R7,8,11,15	51				
U37	27	R10	52				
U38	28	R13	53				
U39,40,41	29	R17,18,19,20	54				
U42	30		55				
U43	31	RU2	56				
U44	32	RU3	57				
U47	33	RU4	58				

PARTS LIST | Plessey Peripheral Systems | CODE IDENT NO. 52698 | PARTS LIST NO. PL703330-100 | SH 4 | REV LTR A

ITEM	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYM	C/I USAGE: C/I CODE	INV ON HAND	PAR	UNIT COST
		1	SN74LS04	I.C./HEX INVERTER	T.I.			14					
		1	SN74S02	I.C./QUAD 2-INPUT POS-NOR GATE	T.I.			15					
		1	MMH0016CPI	I.C./5 MHZ 2-PHASE MOS CLOCK DRIVER	MOTOROLA			16					
		4	COM2017	I.C./UNIVERSAL ASYNCHRONOUS RECEIVER/TRANSMITTER	SMC			17					
		2	SN74LS32	I.C./QUAD 2-INPUT POS-OR GATE	T.I.			18					
		1	SN74155	I.C./DUAL 2 LINE TO 4 LINE DEC/DEMULTI				19					
		1	SN74LS86	I.C./QUAD 2-INPUT EXCLUSIVE-OR GATE				20					
		3	SN74LS244	I.C./OCTAL BUFFERS/LINE DRIVERS/LINE RECEIVERS				21					
		1	SN74S08	I.C./QUAD 2-INPUT POS AND GATE				22					
		3	SN74LS251	I.C./DATA SELECTORS/MULTIPLEXERS				23					
		1	SN74123	I.C./DUAL RETRIG MONO MULTI W/CLEAR				24					
		5	SN74S74	I.C./DUAL D-TYPE POS-EDGE-TRIG F/F W/PRESET/CLEAR				25					
		4	SN74S00	I.C./QUAD 2-INPUT POS-NAND GATE	T.I.			26					

SIZE B | CODE IDENT NO. 52648 | DWG NO. PL 703330-100 | REV C | SHEET 1 of 2 | SCALE

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Form 000087

PARTS LIST — Plessey Peripheral Systems — CODE IDENT NO. 52648 — PL703330-100 — SH 5 — REV LTR A

ITEM NO.	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYM	C/I USAGE: C/I CODE	INV ON BOARD	PAR	UNIT COST
		1	SN74148	I.C./10 LINE TO 4 LINE PRIORITY ENCODERS	T.I.			27					
		1	SN74S175	I.C./HEX/QUAD D-TYPE F/F W/CLEAR	↑			28					
		3	SN74LS259	I.C./8-BIT ADDRESSABLE LATCH				29					
		1	SN74S32	I.C./QUAD 2-INPUT POS-OR GATE				30					
		1	SN74LS125	I.C./QUAD BUS BUFFER GATE W/3-STATE OUTPUT				31					
		1	SN74S174	I.C./HEX/QUAD D-TYPE F/F W/CLEAR	↓			32					
		1	SN74S10	I.C./TRIPLE 3-INPUT POS-NAND GATE	T.I.			33					
		1	100138-100	I.C./1024-BIT PROM				34					
		1	1360000-038	I.C./QUAD 2-INPUT POS-NAND BUFFERS W/OC				35					
		4	DS8641	I.C./QUAD UNIFIED BUS TRANSCEIVER	NATIONAL			36					
		1	100139-100	I.C./1024-BIT BIPOLAR MEMORY W/OC				37					
		2	DM8136	I.C./6-BIT UNIFIED BUS COMPARATORS	NATIONAL			38					
		2	136021-381	I.C./QUAD UNIFIED BUS TRANSCEIVER				39					

PARTS LIST — Plessey Peripheral Systems — CODE IDENT NO. 52648 — PL703330-100 — SH 6 — REV LTR 4

ITEM NO.	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYM	C/I USAGE: C/I CODE	INV ON BOARD	PAR	UNIT COST
		1	SN74S04	I.C./HEX INVERTER	T.I.			40					
		24	CK05BX 103K	CAPACITOR/.01 μf, ±10%, 100V	MIL-C-11015			41					
								42					
		2	150D105X 0035A2	CAPACITOR/1 μf, ±20%, 35V	SPRAGUE			43					
		2	150D225X 9020A2	CAPACITOR/2.2 μf, ±10%, 20V	SPRAGUE			44					
		1	CK05BX 101K	CAPACITOR/100pf, ±10%, 200V	MIL-C-11015			45					
		1	150D475X 0010A2	CAPACITOR/4.7 μf, ±20%, 10V	SPRAGUE			46					
		3	138000-001	DIODE				47					
		2	RC07GF223J	RESISTOR/22K, ±5%, 1/4W	MIL-R-11			48					
		6	RC07GF102J	RESISTOR/1K, ±5%, 1/4W	MIL-R-11			49					
		1	RC07GF103J	RESISTOR/10K, ±5%, 1/4W	MIL-R-11			50					
		4	RC07GF471J	RESISTOR/470Ω, ±5%, 1/4W	MIL-R-11			51					
		1	RC07GF181J	RESISTOR/180Ω, ±5%, 1/4W	MIL-R-11			52					

PARTS LIST — Plessey Peripheral Systems — CODE IDENT NO. 52648 — PL703330-100 — SH 7 — REV LTR C

ITEM NO.	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYM	C/I USAGE: C/I CODE	INV ON BOARD	PAR	UNIT COST
		1	RC07GF391J	RESISTOR/390Ω, ±5%, 1/4W	MIL-R-11			53					
C		4	RC07GF 681J	RESISTOR/680Ω, ±5%, 1/4W	MIL-R-11			54					
								55					
		1	750-81 -R13KΩ	RESISTOR MODULE/13K, ±2%	CTS			56					
		1	761-1 -R330Ω	RESISTOR MODULE/330Ω, ±2%	CTS			57					
		1	761-1 -R4.7KΩ	RESISTOR MODULE/4.7K, ±2%	CTS			58					
		A/R	5951	WIRE/30 AWG KYNAR COLOR: OPTIONAL	ALPHA WIRE			59					
		1	2-435668-8	SWITCH/8 POS.	AMP			60					
		1	3-435668-0	SWITCH/10 POS.	AMP			61					
		1	275001	FUSE/1 AMP.	LITTLE FUSE			62					
		1	MX1040-2 -4.9152	OSCILLATOR/4.9152 MHZ	CTS			63					
		REF.	6D703330	SCHEMATIC DIAGRAM				64					
		4	87272-8	CONNECTOR/10 PIN, RT. ANGLE	AMP			65					

SIZE B | CODE IDENT NO. 52648 | DWG NO. PL 703330-100 | REV C | SHEET 2 of 2 | SCALE

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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	ECO TO MASTER PER ECO 3328	5-16-73	
	B	INCORP ECO 3316	6-12-73	
	C	INCORP ECO 3314		
	D	INCORP EC 3320	10-16-73	
	E	INCORP ECO 3515	2-14-74	

LAST REFERENCE DESIGNATION USED	
RESISTOR	R20
CAPACITOR	C30
INTEGRATED CIRCUIT	U60
DIODE	CR3
RESISTOR MODULE	RU9
SWITCH	EN2
CRYSTAL	Y1
FUSE	F1

REFERENCE DESIGNATION NOT USED	
RESISTOR	R19
RESISTOR MODULE	RU1

REF DES:S.	GATES USED PER TOTAL	PART NUMBER
U28	1/2	74123

SOLDER SIDE			COMPONENT SIDE
SIDE 2		SIDE 1	
+5V	A		CONNECTOR A
	B		
GND	C		
+12V	D		
BDOUTL	E		
BRPLYL	F		
BDINL	H		
BSYNCL	J	GND	
	K		
BIRQL	L		
BIAKIL	M	GND	
BIARCUTL	N		
BBS7L	P	BHALH	
BDMGIL	R		
BDMGOL	S		
BINITL	T	GND	
BDALOOL	U		
BDALO1L	V		
+5V	A	BDCOKH	CONNECTOR B
	B		
GND	C		
	D		
BDAL02L	E		
BDAL03L	F		
BDAL04L	H		
BDAL05L	J	GND	
BDAL06L	K		
BDAL07L	L		
BDAL08L	M	GND	
BDAL09L	N		
BDAL10L	P		
BDAL11L	R		
BDAL12L	S		
BDAL13L	T	GND	
BDAL14L	U		
BDAL15L	V	+5V	

J1

1	CLK1
2	GND
3	XMT DATA 1 +
4	XMT DATA 1 -
5	GND
6	
7	RCV DATA 1 -
8	RCV DATA 1 +
9	GND
10	+12V

J3

1	CLK3
2	GND
3	XMT DATA 3 +
4	XMT DATA 3 -
5	GND
6	
7	RCV DATA 3 -
8	RCV DATA 3+
9	GND
10	+12F

JUMPER CONFIGURATION		
FROM	TO	SIGNAL
3E	3F	XMIT DATA 3+
1D	1B	XMIT DATA 1-
2E	2F	XMIT DATA 2+
2D	2B	XMIT DATA 2-
3E	3F	XMIT DATA 3+
3D	3B	XMIT DATA 3-
4E	4F	XMIT DATA 4+
4D	4B	XMIT DATA 4-
E4	A4	1 STOP BIT (4 PLCS)
E5	E4	B HALT L
E2	E3	INITL
CLK1	F	9600 BAUD RATE
CLK2	CLK1	4800 BAUD RATE
CLK3	CLK2	2400 BAUD RATE
CLK4	G	300 BAUD RATE

RS232 AND RS423 INTERFACE

J2

1	CLK2
2	GND
3	XMT DATA 2+
4	XMT DATA 2-
5	GND
6	
7	RCV DATA 2-
8	RCV DATA 2+
9	GND
10	+12V

J4

1	CLK4
2	GND
3	XMT DATA 4+
4	XMT DATA 4-
5	GND
6	
7	RCV DATA 4-
8	RCV DATA 4+
9	GND
10	+12F

SWITCH SETTINGS			
SW1	POS	SW2	POS
3	ON	1	ON
4	ON	2	OFF
5	ON	3	ON
6	OFF	4	OFF
7	OFF	5	ON
8	ON	6	OFF
-	-	7	OFF
-	-	8	OFF
-	-	9	ON

(7) R17, 18, 19, 20 ARE INSERTED ONLY WHEN A CHANNEL IS CONFIGURED AS EIA RS-422.

6. ALL DIODES ARE 138000-001.
5. CAPACITOR VALUES ARE MICROFARADS.
4. RESISTOR VALUES ARE IN OHMS, ± 5%, 1/4 W.
3. DESIGNATIONS SHOWN IN PARENTHESIS INDICATES WHERE SIGNAL ORIGINATES OR TERMINATES.
   (2/B3)
   - 2 — ZONE DESIGNATION
   - B3 — SHEET NUMBER
2. SIGNALS SHOWN IN RECTANGLES ARE I/O CONNECTIONS.
   [A A1]
   - A — BOARD SIDE
   - A1 — PIN DESIGNATION
   - CONNECTOR DESIGNATION

1 FOR ASSEMBLY DRAWING SEE 703330

NOTES: UNLESS OTHERWISE SPECIFIED:

PRODUCTION RELEASE

NOTE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC, SOURCE	CODE IDENT NO.	FIND NO.
		PARTS LIST			

PART, ASSY NO. & QTY PER ASSY

PART/ASSY REV LTR

NEXT ASSY | USED ON

APPLICATION

DO NOT SCALE DRAWING

CONTRACT NO.

DRAWN K PHYTTIAN

CHECK

ENGR

PROJ. ENGR

PROD. DESIGN

OTHER

APPROVALS

Plessey Microsystems

DWG TITLE
SCHEMATIC DIAGRAM
FOUR CHANNEL SERIAL INTERFACE
PM - DLV11J

SIZE	CODE IDENT NO	DWG NO.
D	52648	SD 703330

SCALE: ~ | SHEET 1 OF 1

DATE NO

SD 703330

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SD703330

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

U55 8641

BDAL00L AU2 (3/A1)(2/D1) DA00 → DAI00 (3/B3,8) (6/D9,8)
BDAL01L AV2 (2/D1) DA01 → DAI01
BDAL02L BE2 (4/C9)(2/D1) DA02 → DAI02 } (3/B2) (6/D9,8)
BDAL03L BF2 (4/C9)(2/D1) DA03 → DAI03
(4/A9) DOENL
RU3 330

U54 8641

BDAL04L BH2 (4/C9)(2/D1) DA04 → DAI04
BDAL05L BJ2 (2/D1) DA05 → DAI05 } (3/B2) (6/D9,8)
BDAL06L BK2 (4/C9)(3/A2)(2/C1) DA06 → DAI06 (3/B8)(3/C9)(6/D9,8)
BDAL07L BL2 (4/C9)(3/M9)(2/C1) DA07 → DAI07 (3/B8) (6/D9,8)
RU3 330

U53 8641

BDAL08L BM2 (4/C9) DA08 → DAI08
BDAL09L BN2 → DAI09
BDAL10L BP2 → DAI10 } (3/B,D8)
BDAL11L BR2 → DAI11
RU3 330

U52 8641

BDAL12L BS2 (2/C1) DA12 → DAI12 (3/B,D8)
BDAL13L BT2 (2/C1) DA13 → DAI13 (N/C)
BDAL14L BU2 (2/C1) DA14 → DAI14 (N/C)
BDAL15L BV2 (2/C1) DA15 → DAI15 (N/C)
RU3 330

+12V
AD2

BDMG1L AR2
BDMG0L AS2

+5V
R5 1K PU1
R4 1K PU2
R3 1K PU3
R12 1K PU4

+5V
AA2 BA2 BV1
C29 4.7 10V
C1,2,3,7,9,11,16,17,18,20 THRU 28 .01 100V
.01
ØV
GND
AC2 BC2 AJ1 BJ1 AM1 BM1 AT1 BT1

(3/D1) RRBUF1L
RRBUF2L
(3/C1) RRBUF3L
RRBUF4L
74S08 U22

RD0 RD1 RD2 RD3 RD4 RD5 RD6 RD7 (6/B1,5)(6/D1,5)
1A3 1A4 2A1 2A2 2A4 2A3 1A2 1A1 U23
1Y3 1Y4 2Y1 2Y2 2Y4 2Y3 1Y2 1Y1
DA00 DA01 DA02 DA03 DA04 DA05 DA06 DA07 (2/D8) (2/C8)
74LS299

(6/C9) PE1 FE1 ROR1 ERROR1
(6/B5) PE2 FE2 (6/A3) ROR2 (6/A5) ERROR2
1G 2G U27
DA12 DA13 DA14 DA15 (2/B8)
74LS299

(6/C1) PE3 FE3 ROR3 ERROR3
(6/B1) PE4 FE4 (6/A1) ROR4 (6/A1) ERROR4
1G 2G U21
74LS299

BDCOKH BA1 (6/A1) BDCOKH → U59 136021-381 → DCOKL (6/C8)
BIAKIL AM2 → U59 136021-381 → IACKIN (4/B8)
BINITL AT2 → U59 136021-381 → U8 74LS04 → INITH (6/C8), INITL (3/B8)

BSYNCL AJ2 → U60 136021-381 → SYNCH (3/A,C8); U59 136021-381 → SYNCL (3/C8)
BDINL AH2 → U60 136021-381 → DINH (3/C5)(4/B8)
BDOUTL AE2 → U60 136021-381 → DOUTH (3/D5)(4/A8)
BBS7L AP2 → U60 136021-381 → BS7H (3/D8)

SIZE	CODE IDENT NO.	DWG NO.
D	52648	SD703330
SCALE: 1		SHEET 2 OF 6
		DISTR NO.

SD703330

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REORDER NO. 81010

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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

SD703330

+5V
RU4 4.7K
SW2
8136
U57
R15 470
(2/A1) BS7H
DAI12
DAI11
(2/B6) DAI10
DAI09
DAI08
(2/A1) SYNCH
RU9 4.7K
U58
8136
74S04
74S00
74S32
U42
(2/A1) SYNCL
(2/D6) DAI03
DAI04
(2/C6) DAI05
DAI06
DAI07
DAI08
DAI09
(2/B6) DAI10
DAI11
DAI12
IC0139-100
U56
SW2
SW1
R11 470
R7 470
R8 470
BS7H
74S04
(2/A3) INITL
DAI00
(2/C6) DAI01
DAI02
U44
74S174
(2/A1) SYNCH
MATCH
A1
A2
(2/A1) DOUTH
A0L
74LS08
(2/A1) DINH
A2L
74S00
MATCH
74S10
A2L(3/C3)
74S09
A1L
MATCH (4/A8)
WXBUF1L (6/D8)
WXBUF2L (6/B8)
WXBUF3L (6/D9)
WXBUF4L (6/B9)
RRBUF1L (2/D3)(6/C8)
RRBUF2L (2/D3)(6/B8)
RRBUF3L (2/D3)(6/D4)
RRBUF4L (2/D3)(6/B4)
U110
74155
74LS259
U40
U41
(2/C6) DAI06
DAI00 (2/D6)
74LS08
(3/E5) A2L
RPLYH (4/A5)
74S10
RDR ENBL 1 (5/D4)(6/C8)
BRK 1 (5/D9)
RDR ENBL 2 (5/K4 (6/A8)
BRK2 (5/C9)
RDR ENBL 3 (5/B4)(E1C9)
BRK3 (5/B9)
RDR ENBL 4 (5/G1A9)
BRK 4 (5/B4)
MA9
MA3
INITL
R INTEN 1 (4/D2)
X INTEN 1
R INTEN 2
X INTEN 2 (4/C2)
R INTEN 3
X INTEN 3 (4/B2)
R INTEN 4
X INTEN 4 (4/A2)
(6/C5) R1 RDY T1 RDY
(6/B5) R2 RDY T2 RDY
(6/C1) R3 RDY T3 RDY
(6/B1) R4 RDY T4 RDY
U26
74LS251
DA007 (2/C8)
U29
DA006 (2/C8)
U30
DA008 (2/D8)

SIZE	CODE IDENT NO.	DWG NO.
D	52648	SD703330
SCALE: ~	E	SHEET 3 OF 6
		DISTR NO

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SD 703330

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

74S175 U38 — 74LS259 U39 — PU2

74198 U37

(4/B1) RQ7
(4/B1) RQ6
(4/C1) RQ5
(4/D1) RQ4
(4/A1) RQ3
(4/B1) RQ2
(4/C1) RQ1
(4/C1) RQØ

RU4 4.7K — +5V — U43 74LS125

SW1

DAOØ8
DAOØ7
DAOØ6
DAOØ5
(2/C8)

U42 74S32

RU6 1K — +5V

DAOØ4 (2/C8)

RU4 4.7K — +5V — SW1 — U48

DAOØ3
DAOØ2
(2/D8)

100138-100

U46 74S04

AL2 BIRQL

PU2 74S74 U49

(2/A1) DINH
(2/A3) INITL
IACKIN

U22 74S08 — U50 74S00 — U51 136000-038

AN2 BIAKOUTL

R10 180 — R13 330

AF2 BEPLYL

DOENL (2/D6)

C19 100pf — R6 10K — +5V

U28 74123

(3/D1) MATCH
(2/A1) DOUTH

U50 74S00 — U42 74S32

RPLYH (3/C3)

PU1 74S74 U32

RQDISABLE 4
(6/C5) R1RDY
(3/B1) RINTEN1
U25 74LS08 — U36 74S00
RQ4 (4/D0)

PU1 74S74 U31

RQDISABLE Ø
(6/C5) T1RDY
(3/B1) XINTEN1
U25 74LS08 — U36 74S00
RQØ (4/C0)

PU1 74S74 U31

RQDISABLE 5
(6/B5) R2RDY
(3/B1) RINTEN2
U25 74LS08 — U36 74S00
RQ5 (4/D0)

PU1 74S74 U32

RQDISABLE 1
(6/B5) T2RDY
(3/B1) XINTEN2
U25 74LS08 — U36 74S00
RQ1 (4/C0)

PU1 74S74 U33

RQDISABLE 6
(6/C1) R3RDY
(3/B1) RINTEN3
U24 74LS08 — U35 74S00
RQ6 (4/D0)

PU1 74S74 U33

RQDISABLE 2
(6/C1) T3RDY
(3/B1) XINTEN3
U24 74LS08 — U35 74S00
RQ2 (4/C0)

PU1 74S74 U34

RQDISABLE 7
(6/B1) R4RDY
(3/B1) RINTEN4
U24 74LS08 — U35 74S00
RQ7 (4/D0)

PU1 74S74 U34

RQDISABLE 3
(6/B1) T4RDY
(3/B1) XINTEN4
U24 74LS08 — U35 74S00
RQ3 (4/D0)

SIZE	CODE IDENT NO.	DWG NO.
D	52648	SD703330
SCALE:		SHEET 4 OF 6
		DISTR NO.

SD703330

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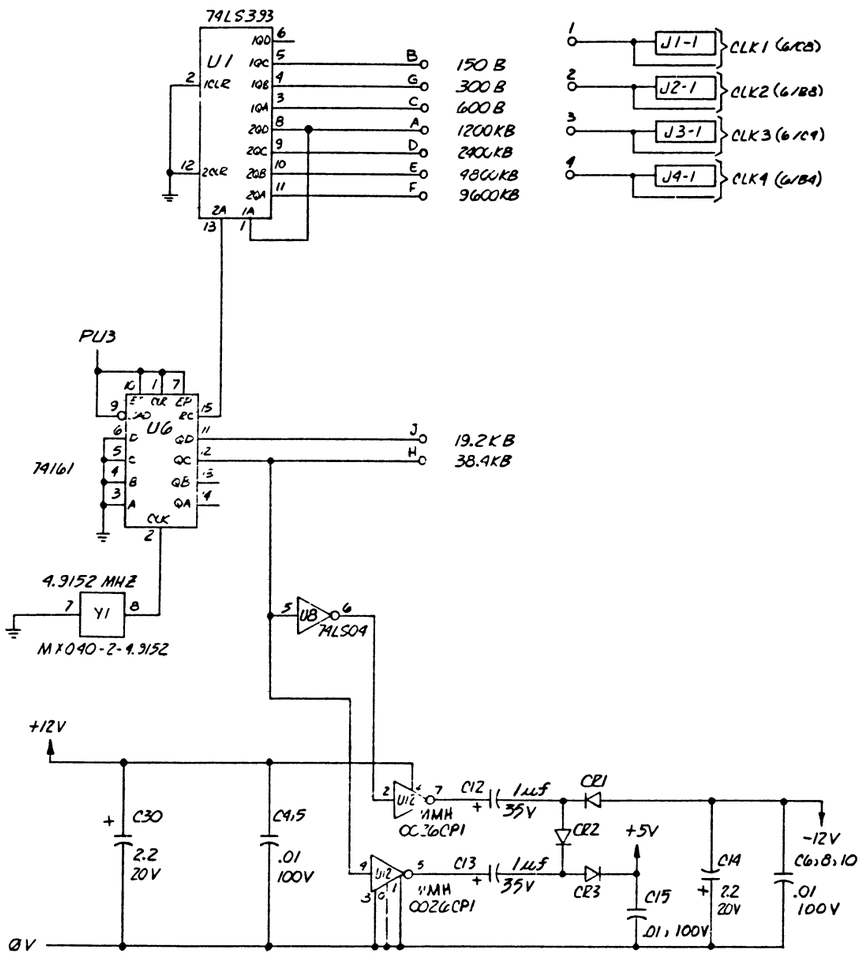
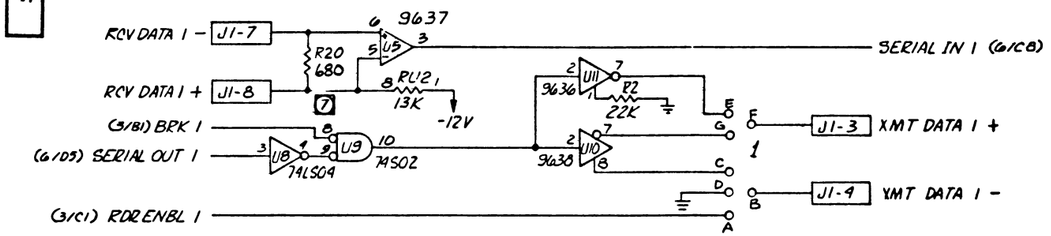
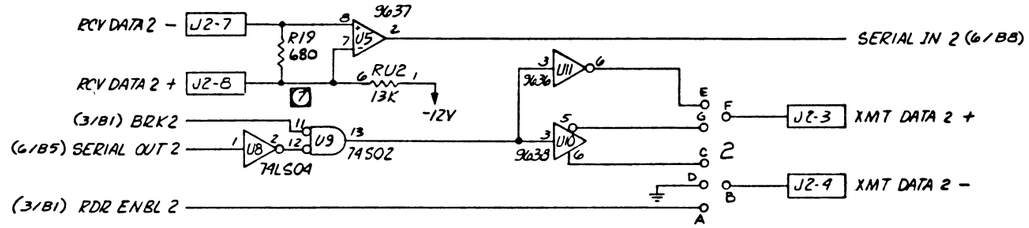
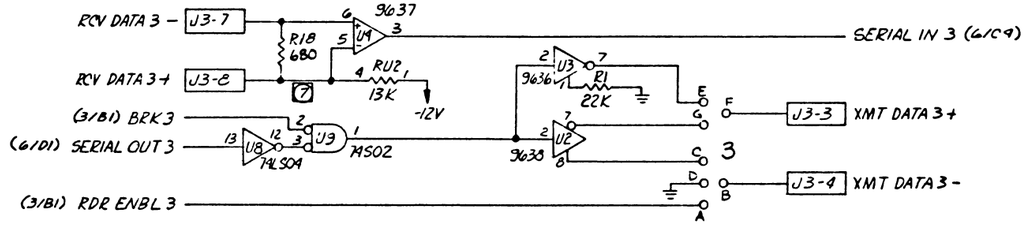
SD 703330

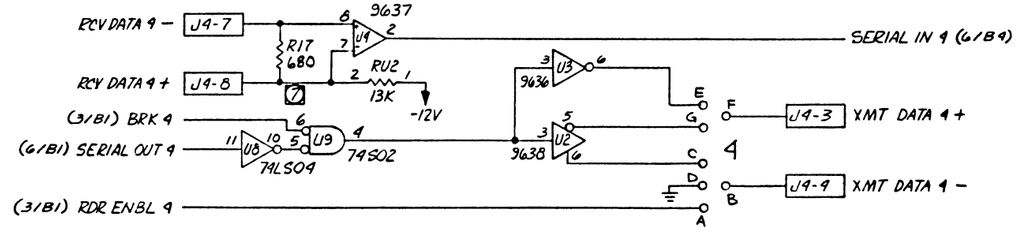
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
/		SEE SHEET 1		

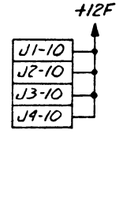




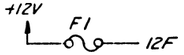








J1-2	J3-2
J1-5	J3-5
J1-9	J3-9
J2-2	J4-2
J2 5	J4-5
J2-9	J4-9



SIZE	CODE IDENT NO.	DWG NO.
D	52648	SD703330
SCALE: ~		SHEET 5 OF 6
		DISTR NO

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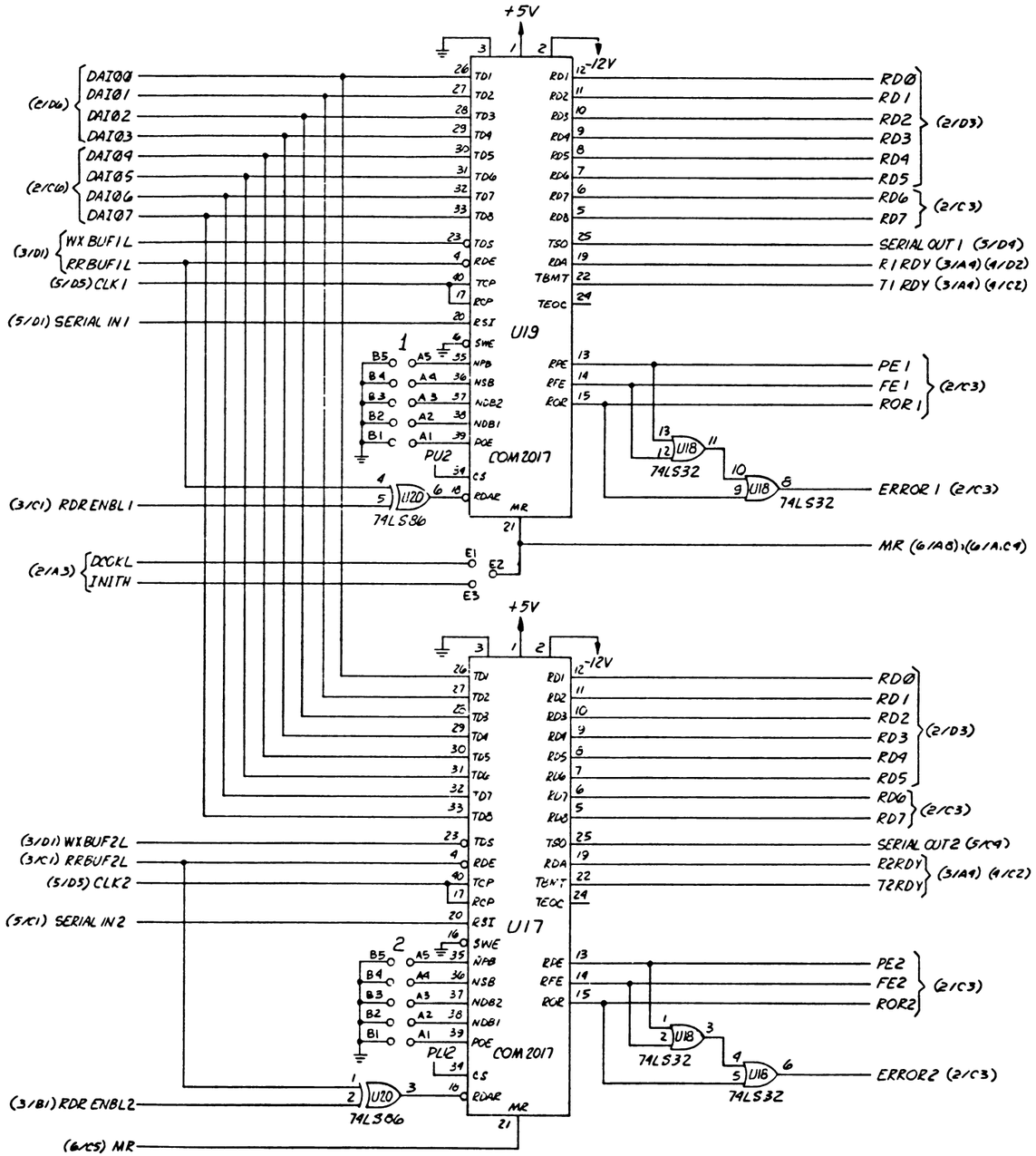
SD703330

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



SIZE	CODE IDENT NO.	DWG NO.
D	52648	SD 703330
SCALE: --		SHEET 6 OF 6
		DISTR NO.

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RECORDER NO. A 1010

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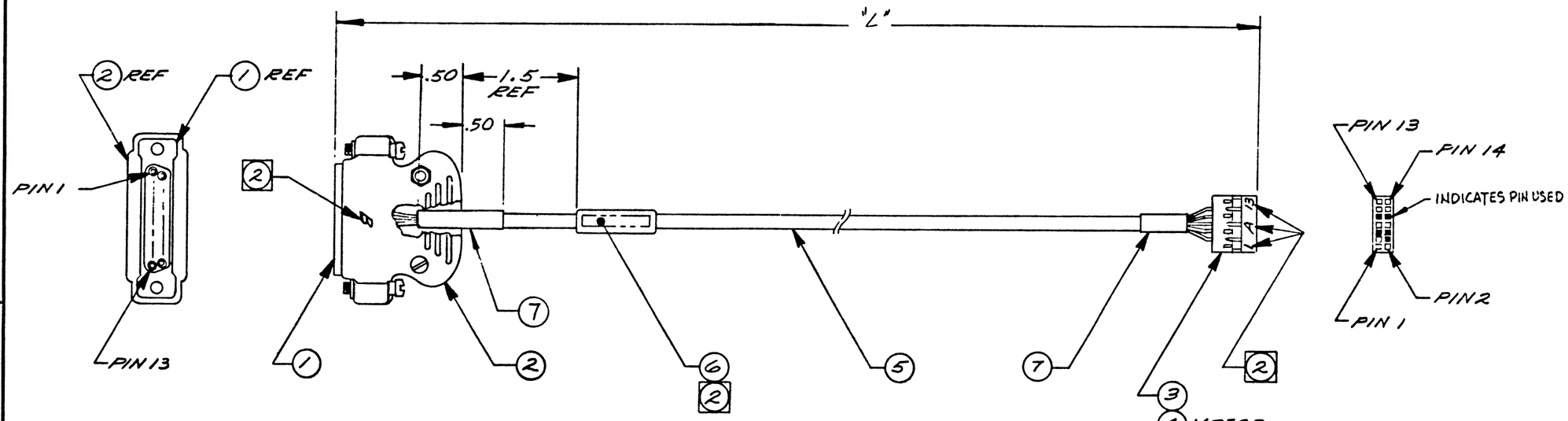
701777

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REL TO PROD EO 3030	5-4-79	

WIRE LIST

FROM	PIN	TO	PIN	ITEM	COLOR
CONNECTOR A	4	CONNECTOR B	1	5	BROWN
A	5	B	3	5	RED
A	6	B	7	5	ORANGE
A	9	B	7	5	YELLOW
CONNECTOR A	10	CONNECTOR B	2	5	BLACK



VERSION	DIM "L"
-100	25FT ± 3.00 IN
-101	5FT ± 1.00 IN

(2) MARK ASSEMBLY NUMBER, VERSION NUMBER, REVISION LETTER AND REFERENCE DESIGNATIONS WITH .12 HIGH CHARACTERS USING CONTRASTING COLOR PER MIL-13231, GROUP III.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

PRODUCTION RELEASE

-101	-100	NOTE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC/SOURCE	CODE IDENT NO.	FIND NO.
							5
							4
							3
X				FOR PARTS LIST SEE PL701777-101			2
	X			FOR PARTS LIST SEE PL701777-100			1

VERSION NO. & QTY REQD PER VERSION — PARTS LIST

VERSION REV LTR	NEXT ASSY	MODEL
A		PM-DLV-11J
A		PM-DLV-11J
-101		PM-DLV-11J
-100		PM-DLV-11J
VER NO	NEXT ASSY	MODEL

FIRST USED ON

DO NOT SCALE DRAWING

SCREW THREADS PER HANDBOOK H-28
COUNTERBORE AND SPOTFACE FILLET RADII TO BE .010 MAXIMUM
REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO .010R
ROUGHNESS OF MACHINED SURFACES 125 PER USAS B46.1
STANDARD HOLE TOLERANCE PER ANSI B4.2
TOLERANCES ON: .XX = ± .03 .XXX = ± .010 ANGLES = ± 0° 30'
INTERPRET DIMENSIONS AND TOLERANCES PER USAS Y14.5
DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH
UNLESS OTHERWISE SPECIFIED

CONTRACT NO.

DRAWN	TOM COMEY	1-23-79
CHECK	J. Tunkis	1-24-79
ENGR	Lawlor	3-8-79
PROJ. ENGR		
PROD. DESIGN		3-8-79
DOC CONT.		3-9-79
OTHER APPROVALS		

Plessey Peripheral Systems

DWG TITLE: CABLE ASSEMBLY, PARTIAL NULL MODEM, PM-DLV-11J

SIZE	CODE IDENT NO.	DWG NO.
C	52648	701777

SCALE: 1/1 — SHEET 1 OF 1

DISTR NO. 12-1014

REV A

BISHOP GRAPHICS/ACCUPRESS RECORDER NO. A-5137

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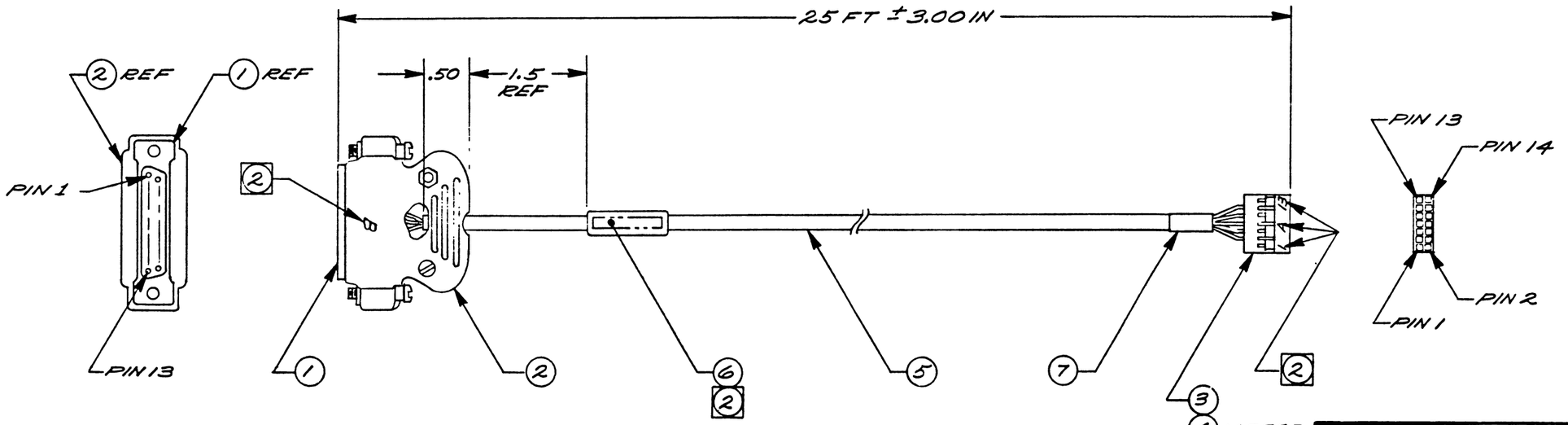
SK701793

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	X1	REL TO DEV PER EO 5645	3-8-79	

WIRE LIST

FROM	PIN	TO	PIN	ITEM	COLOR
CONNECTOR A	4	CONNECTOR B	1	5	BROWN
A	10	B	3	5	RED
A	6	B	7	5	ORANGE
A	9	B	7	5	YELLOW
CONNECTOR A	5	CONNECTOR B	2	5	BLACK



(2) MARK ASSEMBLY NUMBER, VERSION NUMBER, REVISION LETTER AND REFERENCE DESIGNATIONS WITH .12 HIGH CHARACTERS USING CONTRASTING COLOR, PER MIL-M-13231, GROUP III.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

ENGINEERING RELEASE
COGNIZANT ENGINEER
NOT FOR FABRICATION UNLESS SIGNED BELOW
DATE 3-8-79

	X		FOR PARTS LIST SEE SKPL701793-100	5
				4
				3
				2
				1
-100	NOTE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC/SOURCE / CODE IDENT NO. / FIND NO.

VERSION NO. & QTY REQD PER VERSION — PARTS LIST

VERSION REV LTR		
X1		
-100		PM-DLV-11J
VER NO.	NEXT ASSY	MODEL

FIRST USED ON

DO NOT SCALE DRAWING

SCREW THREADS PER HANDBOOK H-28
COUNTERBORE AND SPOTFACE FILLET RADII TO BE .010 MAXIMUM
REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO .010R
ROUGHNESS OF MACHINED SURFACES 125 PER USAS B46.1
STANDARD HOLE TOLERANCE PER ANSI B32.1
TOLERANCES ON: XX = ± .03 XXX = ± .010 ANGLES = ± 0° 30'
INTERPRET DIMENSIONS AND TOLERANCES PER USAS Y14.5
DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH
UNLESS OTHERWISE SPECIFIED

CONTRACT NO.

DRAWN	TOM COMEY	3-5-79
CHECK	T. Tunis	3-8-79
ENGR	Lauritsen	3-8-79
PROJ. ENGR		
PROD. DESIGN		3-8-79
DOC CONT.		3-8-79
OTHER APPROVALS		

Plessey Peripheral Systems

DWG TITLE: CABLE ASSEMBLY, MODEM, PM-DLV-11J

SIZE	CODE IDENT NO.	DWG NO.
C	52648	SK701793

SCALE: 1/1 — SHEET 1 OF 1

DISTR NO. 123-11 1C

REV X1 SK701793 ON TWO

BISHOP GRAPHICS/ACCUPRESS REORDER NO. A-5137

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